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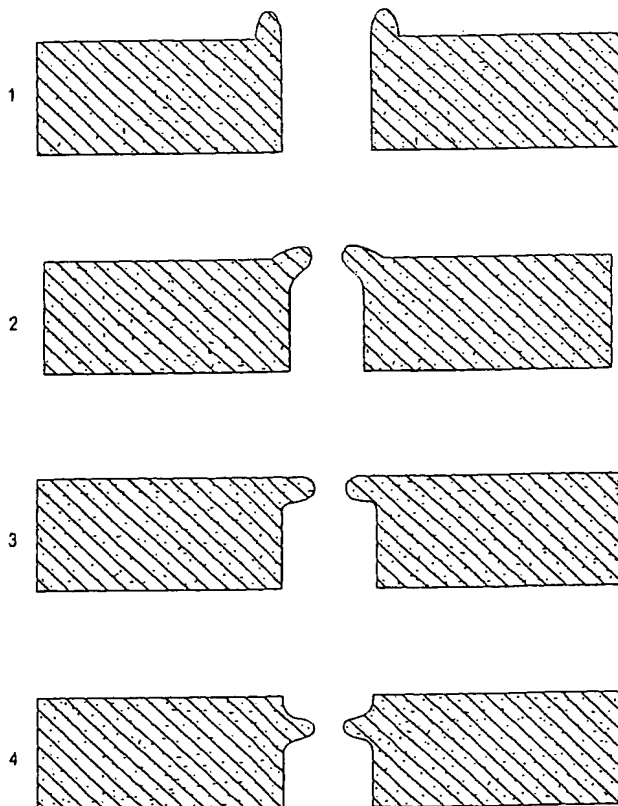
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(54) Title: SUBSTRATE AND METHOD FOR MEASURING THE ELECTROPHYSIOLOGICAL PROPERTIES OF CELL  
MEMBRANES



(57) Abstract: The present invention relates to a  
substantially planar substrate for use in patch clamp  
analysis of the electrophysiological properties of a  
cell membrane comprising a glycocalyx, wherein the  
substrate comprises an aperture having a rim, the rim  
being adapted to form a gigaseal upon contact with the  
cell membrane. The invention further provides a method  
of making such a substrate and method for analysing  
the electrophysiological properties of a cell membrane  
comprising a glycocalyx.

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